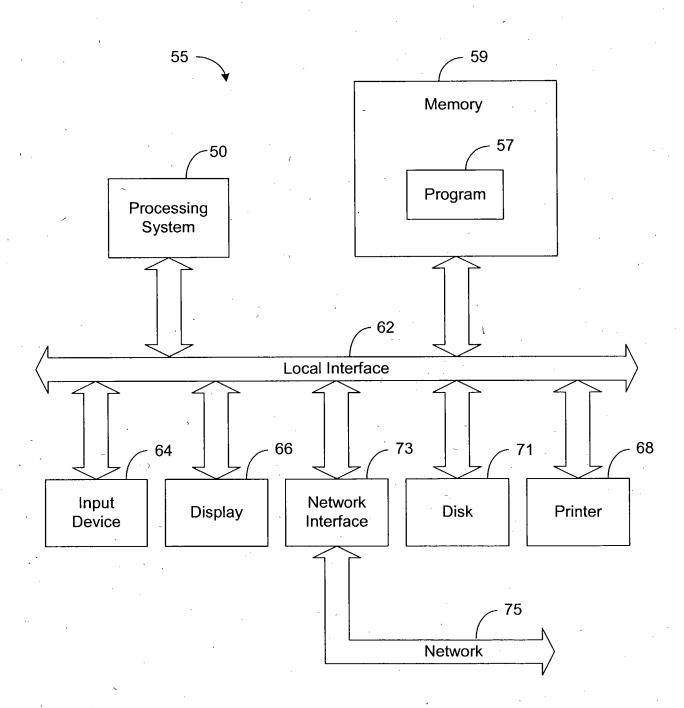Title: Processing System and Method for Detecting Data Hazards Between Instructions of
Computer Programs
Inventor(s): Arnold, et al.
Sheet 1 of 6

FIG. 1
(Prior Art)

Title: Processing System and Method for Detecting Data Hazards Between Instructions of
Computer Programs
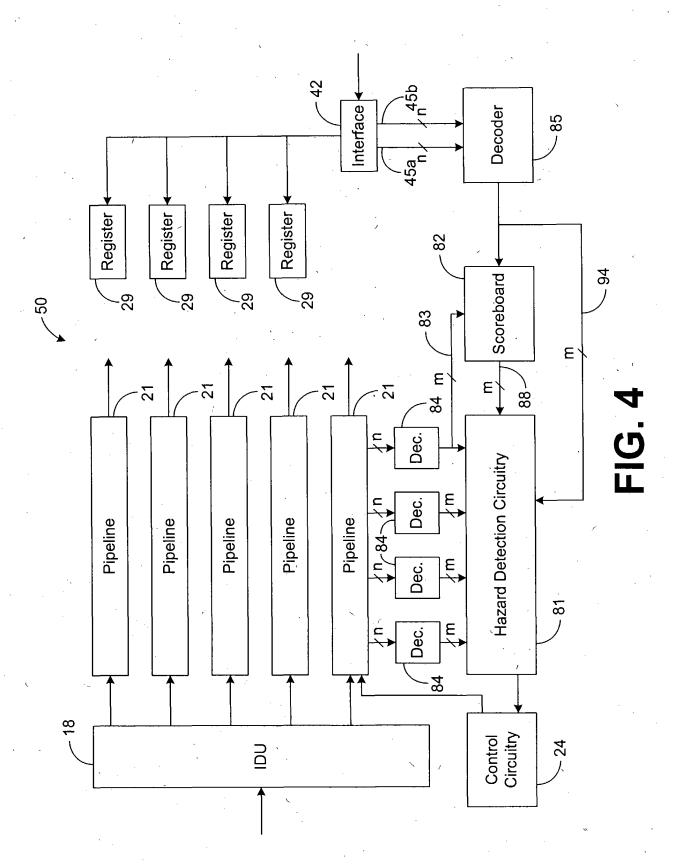Inventor(s): Arnold, et al.
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FIG. 2

(Prior Art)

Title: Processing System and Method for Detecting Data Hazards Between Instructions of
Computer Programs
Inventor(s): Arnold, et al.
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```
┌─────────────────────────────┐
│          Memory             │
│                      ┌─ 57   │
│         ┌──────────────────┐ │
│         │     Program      │ │
│         └──────────────────┘ │
└─────────────────────────────┘
```

50

```
┌──────────────┐
│  Processing  │
│   System     │
└──────────────┘
```

62

Local Interface

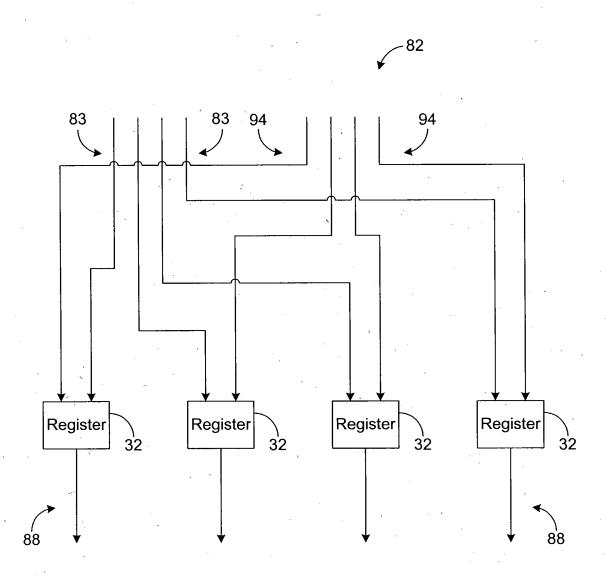| Input Device	Display	Network Interface	Disk	Printer
64	66	73	71	68

75

Network

FIG. 3

Title: Processing System and Method for Detecting Data Hazards Between Instructions of
Computer Programs
Inventor(s): Arnold, et al.
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FIG. 4

Title: Processing System and Method for Detecting Data Hazards Between Instructions of
Computer Programs
Inventor(s): Arnold, et al.
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83   83   94   94

Register   Register   Register   Register
        32   32   32   32

88   88

FIG. 5

Title: Processing System and Method for Detecting Data Hazards Between Instructions of
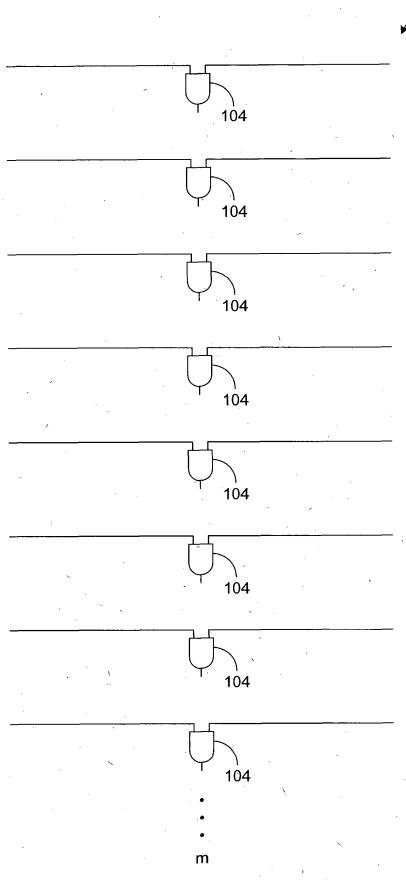Computer Programs
Inventor(s): Arnold, et al.
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m

FIG. 6